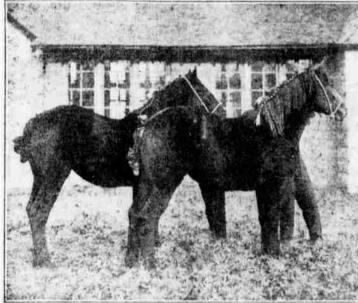
# Proper Feed for Young Horses Diversified Diet the Rule

By E. A. Trowbridge, Assistant Professor of Animal Husbandry, College of Agriculture, University of Missouri.

After weaning, plenty of good grain is the cause of poor condition and and hay should be fed to foals. The stunted growth in many cases. Exerfood should be of such a character as cise during the winter is a necessity. to produce the greatest growth of bone been found to be a very successful ra-

To pasture through the summer is and muscle and to keep the weanlings not only a cheap but highly officient in a thrifty condition. Oats, bran and method of developing young horses, corn, one-third each, by weight, has During the early part of the season while the grass is good, no grain will tion for growing horses. As a rough-te necessary. But when the dry and age to be fed with this grain, s|falfa sparse pastures of August and Sepor clover with a limited quantity of tember come on, horses should have out straw or corn stover, gives good grain. Outs and corn, one-half each, results. Timothy and clover, about on bluegrass or clover and timothy



HIG AND GROWTHY, COLLEGE PARM PERCHERON PHYSIPS one half each will be found a very pasture, keeps up their health and and material advantage, and material advantage, This ration does not supply the proper amount of protein for growing mor, arrawing horses should have plenhorses. It does not keep the digestive ty of good food, water and exercise

FACTORS IN DATS YIELD

By T. H. Demaree, Acting Ag-

ronomist, Experiment Station,

University of Missouri,

Farmers so often perfect the im-

the crop is unprofitable in this state.

The importance of the out crop is suf-

ficient to warrant its production. At-

Variety tests at the College of Agri-

black oats have been Jennette, Mar-

tinsburg, Nichols Black Comet and

Victor. The Kherson is the only yel-

not strike the farmer very favorably.

good average yield under almost all

showing quite so high a yield as other

varieties, is perhaps the less variety

count of its rust-resisting power. This

the yields of other varieties were not

There are some disadvantages, chief

among which is the fact that this

account of the long beards. It also

As far as yield is concerned,

By pinching, it will be

becomes dusty and bin-burned when

It is the most dependable variety we

have, and the least likely to run out. Next in importance after selecting

the proper variety, is the fanning of the seed to prevent "running out

This should be done thoroughly. Run-

ning out is shown in several ways. The kernels become lighter in weight,

but often retain the same plump ap-

eeen that there is very little grain in

side. Sometimes both the grain and hull are reduced in size. Change in

color is another sign of running out.

While outs assume a gray color in

stead of the glistening white of the

northern varieties. Black oats become a reddish brown instead of the coal

Thorough fanning will do much to-

ward preventing any of the varieties from running out. At the Ontario

station an experiment was conducted

to determine the relative production

from heavy and light seed. For the

first three years of the experiment the

difference was 10.4 bushels in favor

of the heavy seed, and the last three years the difference was 22.4 bushels

in favor of the heavy seed. Further-

more, the difference in weight per

bushel increased from 3.2 pounds the

first three years to 9:5 pounds the last three years of the experiment.

Heavy seed can be obtained from the home-grown varieties by heavy fan-

uing, saving only the large plump

black of the northern grown.

of oats to grow in this state, on ne

The Red Rust Proof, although not

only for the mislag.

successful adjunct to the above-men- thrift. At this senson of the year, a tioned grain ration An error common- shed in which the horses may seek ly made is that of feeding corn fedder protection from the sun and thes is a

In short, both in winter and sumagraratus in good working order, and to produce the maximum development,

on and showl out the onts as they

conv., good and bad affice. It pays to import northern grown eed in those communities where the native seed runs out rapidly, airlough just how often this is necessary has not been determined. In some places

it needs to be done every other year. The preparation of the ground has much to do with the yield of oats. In portant factors in growing oats that rost cases it is not practical to plow the land, although at some places this cas been found profitable. Oats usutention to proper methods will help to increase the yields and make the ally follow corn, and that being the case, a double disking of the ground should be sufficient, especially if the crop pay a profit where now it pays cod is then put in with a disk drill First, it is important to use the instead of breadcasting and harrowbest varieties for Missouri conditions. ing it in. The general practice is to broadcast with an endgate seeder on culture of the University of Missouri showed that the white oats which top of unprepared land, then disk or ultivate with a corn cultivator and smooth down with a spike tooth harhave held up best over several years row. This is not as good practice as drilling, according to recent results are the Siberian, Silvermine, Wide-Awake and Great Dakota. The best

at various stations Increases in yield of from I to 5 bashels per acre have been made by iow out which has been tested, and it drilling instead of broadcasting. These gives good average yields. The kerincreases are due, probably, to better nels of this out seem very semil when germination and stronger which were produced by putting the compared with other varieties, so do seed down to fine moist earth and a However, the Kherson is one of our place where the root system could be-However, the Kherson is one of our come more thoroughly developed.

Earliest maturing and most depend-come more thoroughly developed.

The carlier outs can be seeded, the

better, because the plant makes its best growth and stools best during cool, moist weather. For this reason, early seeding and the use of naturing varieties is recommended.

Rust is one of the worst enemies of onts in this state. The only known means of checking it is by the use of was strikingly shown in 1908, when a rust-resisting variety like the Texas Red Rust Proof.

worth taking, and the Red Rust Proof averaged 27 bushels to the acre. Next to rust, stands the cat smut as an enemy to the crop. This is almost too well known to need descripoat gets musty in the shock easily on In some cases the smut starts to work so early that he head never appears at all, and the disease is not

This trouble can be controlled quite enelly, and the loss reduced to a very small per cent. The method of conrol is by the use of the formalin reatment.

Mix one pound of commercial formalin, 40 per cent strong, with forty or fifty gallens of water. After the eed oats have been thoroughly fanned, spread them out on a clean floor and sprinkle them with the solution until damp enough to pack in the hand. Turn them with a shovel until they are all dampened. Then shovel them into a pile and cover with some old sacks or carpets for two or three bours. The oats should then be scattered and turned from time to time until dry. As soon as dry, the oats are ready for seeding at once, or may be left for weeks before they are

This solution is very poisonous in considerable quantities, but as recom-mended is very weak. It will not injure the hands and is prefectly safe to handle.

General recognition of these factors influencing the yield of oats will ald in placing the production of oats in this state on a paying basis

Some men this year drove out to the feace corner to get a rusty cultivator and fix it up before starting into the corn plowing. The corn, some of it, was ready and waiting. The culgrains for seed. Most farmers put it tivator should have been under cover off till spring, then simply go to the and fixed up before spring.

### ELEVEN YEARS OF HEALTH.

Kidney Trouble Never Returned.

Mrs. Everett Griffith, 2845 E. Indiana Ave., Evansville, Ind., says: "I was certainly in bad shape from kidney disease and it is really a wonder

that I am alive today.

The kidney secretions passed irregularly and were abnormally thick; I had bad spells with my head and at times could hardly stand. My left limb below the knee became so badly swolien that I began to treat myself for drop-

sy and my back was so sore and lame I could not raise my arms above my head. I was finally induced to take Doan's Kidney Pills and in six weeks I was well. My cure was made in 1899 and I have enjoyed excellent bealth ever since."

Remember the name-Donn's For sale by all dealers 50 cents a box. Foster-Milburn Co., Buffalo, N. Y.

OF COURSE.



Weeks-I once knew a man who really enjoyed moving.

Seeks-I don't believe it. Weeks-It's a fact. You see, he lived in a houseboat.

#### CURED ITCHING AND BURNING

"I was taken with the itch in April, 1904, and used most everything. had a friend pay me a visit from Cumberland, and she advised me to use Cuticura Remedies which I did. The cure was certainly quick, and I him revently intercupted with use them to this day. I had it terri- "Well, thank heaven, Harry" bly under my knees. I only used one box of pills, but two boxes of Cuticura Ointment, and I use the Cuticura Soap all the time. I hope this will benefit others, as it has me, after Dr. —— and others could do nothing for me." (Signed) Miss Lu Johnson, 1523 Ninth St., N. W., Washington, D. C., April 3, 1910.

in a later letter Miss Johnson adds: "The trouble began with an eruption under my knees, and extended upwards toward my walst, until I was not able to sit down. It kept a constant Itching and burning all the time, night and day. I went to my doctor. but he could do me no good after I do not know how many medicines he gave me, and then told me I would compelled to go to a skin specialist, which I positively refused to do. I cried all the time. Finally I made up my mind to try Cuticura Remedies, and tried Cuticura Pills, Oint-ment and Soap, and was entirely cured of the itching three days after I started using them. The healing took about eight days. I consider Cuticura Remedies marvelous, and

would recommend them everywhere." Cuticura Remedies are sold through the world. & Chem. Corp., Boston, for free book on skin afflictions.

## To Pray for the Rich.

Two women prominent in St. Louis have started a movement to induce 300,000 of their sex in the south to pray every day for the rich. They explain they hope by organizing system atically groups of women who will pray often and well for the more affluent, wealthy persons will be led to contribute to a fund for the evangelization of the world. Belle H. Bennott president of the women's missionary council of the Methodist Episcopal church south, and Mrs. R. McDonnell are the originators of the

Try Murine Eye Remedy for Red. Watery Eyes and Granulated Lids. No Smarting-Just Eye Comfort. Murine Eye Salve in Aseptic Tubes New Size Ec. Murine Liquid 26:-50c.

## With One Exception.

Harduppe-Every man should mar-ry. Everything I have is the world I owe to my wife. Wigwag - Don't forget that ten snot

you owe me .- Philadelphia Record.

Do your feet feel tired, achy, and sore at night? Rub them with a little Ham-lins Wizard Oil. They'll be glad in the morning and so will you.

Those with whom we can apparent ly become well acquainted in a few moments are generally the most difficult to rightly know and understand

If constipation is present, the liver sluggish, take Garfield Tea; it is mild in action and never loses its potency.

A man can get along without doing much if he has sense enough to know what not to do.

### REPATRIATED.

HE HAD \$400.00 IN CASH IN 1903; NOW WORTH \$8,000.00.

My parents were originally Canadians from Essex County, Ontario. I was been in Monroe County, Michigan, from which place I moved to Red Lake Falls, Minnesota, where I farmed for 22 years. I sold my farm there in the that year came to Canada with my wife and eight children. I had about \$400 in rash, team of horses, a cow, a few sloop and some chickens. I took up a quarter section of land near Jack Fish Lake, Meota P. O., and later on purchased for \$2,000.00 an adjoining quarter section. I have now is head of cattle a number of horses, good buildings and consider my holding is worth at least \$8,000.00. My children have raised from \$500 to \$500 worth of gate a truck each year since we have been here. I have never had a poor cosp and have never had one My wheat has averaged from 25 to 30 bushels per nero with one or two years considerably more. My onts have always yielded well up to 50 bushels per acre and once or twice as high as \$5. My entitle have never been stabled in winter, and do not need it. I consider that this country offers better opportunities for settlers than any where I have ever been. I am sure that almost any person can come here and buy land at may \$15.00 per acre and not for it in one crop. My experfence is that if a niah farms bis land in the right way he is not likely to have her emp frested.

Most of the settlers in my district are Americans and Canadians and I know lots of them who came here with little or no capital who are now doing well but I do not know of any who have lett through disappointment, or becomen discouraged, have returned to their former homes.

EUGENE JUBINVILLE. There are many whose experience is similar to that of Mr. Jubinville. Secure Catallan Government literature from nearest Canadian Government Agent, and see for yourself.

"When a Wife Is Gruel," The husband rushed into the room where his wife was sitting. "My dear," said he, excitedly, "guess what! Intelligence has just

The wife gave a lump at this point. rustled to her husband, and khosing

Important to Mothers

Examine carefully every bottle of CASTORIA, a safe and sure remedy for infants and children, and see that it

Bignature of Chart Fletchers. In Use For Over 30 Years. Children Cry for Fletcher's Castoria

By the Harem Code. "Do you think I am really your af-finity?" Solomon's nine hundred and eighty-fifth wife asked coquettishly.
"My dear," the Wisest Guy said.

ou are one in a thousand."
"My dear," the Wisest Guy said. He got nway with it too.

The herb lauxtice, Garfield Tea, promptby avercomes construction, biliousness such headache and incurse better health.

A Redeeming Feature. "Maud is a harem-searum sort, isn't

Yes, but her skirt isn't "

Mrs. Winslew's Soothing Syrup for Children teething, softens the group, reduces inflamination, aliays pain, cures wind coite. Mr a bottle.

day you may splash mud on the laughers with your touring car.

Lewis' Single Binder, straight 5e-many smokers prefer them to 10c cigars.

Flattery is simply the nice things we say about other people:

#### SUGGEST IT.

Next time you're out with friends, and you're all wondering what you can drink to quench the thirst-something that you'll all enjoy-suggest COCA-COLA.

Everyone will thank you for an introduction to the most delicious, refreshing and thirst-quenching beverage that anyone could drink. It is cooling-relieves fatigue and just hits the summer of 1902 and in September of dry spot. At seda-fountains or carbonated in bottles-5c everywhere.

As to its wholesomeness-write to the COCA-COLA CO., Atlanta, Ga., for a copy of their booklet, "The Truth About COCA-COLA"-compiled by au-

For lish Fred 1)0 you like lobsters? Pk : Polly Yes, both human and crustavean, in their salad days.

ASS FOR ALLEYS FOOT-EASE the Affiliability is derived by the property and a second property of the Affiliability of the Affiliability and Affiliabi

The chief sorret at comfort has in not allowing trilled to yes us -Sharp.

Garriell Ten come constitution, horses the bland joint and times up the tysicin.

Ever notice how many people there are in the world who say. "You just wait. I'll not even with you!"

## Make the Liver Do its Duty

LIVER PILLS

Nine times in ten when the liver is right the stomach and bowels are right. CARTER'S LITTLE

gently but firmly compel a lazy liver to do its duty.
Cures Constipation, In-

digestion, Sick Headache, and Distress After Eating. SMALL PILL, SMALL DOSE, SMALL PRICE.

Genuine must bear Signature Breutsood

Readers string to buy anything adver-tised in its columns should must upon having what they ask for, refusing all

HISCELLANGUE ELECTROTYPES STERRY SERVICE FOR A LOUIS LAND DE LOUIS L

DEFIANCE STARCH

# IF YOU HAVE A SICKLY

## YOUNGSTER TRY THIS FREE

The family will young children that is little atomach a useles, will immediately without so layers in the boune new and correct the troubst. This is not alread in the inside about a first immediately what is the to the latter arrangement that arise a child with a serious almost leads a second at the inside a serious almost leads a decre, it is an inside the instances, as just before anowe the dulid authors, as just before anower the dulid authors, as just before anower the dulid authors, as just before anower the dulid and takes it however. It is send in the authors are some anomalies in a pull or a remark a manufacture of the send and and are also as the send and the s



In 'Appy Hingland. "Whatever are you doing during its that musty designs and brush." "That girl has a lot of strings to "Freddy told me to bring it in and her box."

recep up Mrs. Smilli's his as she irops them "-London Opinion. Red Earn and Killses. Cynthia-Love is blind, Jason. Jason-It is color blind, Cynthia,

Cynthin-You think so, Jason? between the parents the hand land the parents the hand the bady at a corn basking and he's in love and transcribed to the can also a pretty gal if he finds this knode baland court will often be a red ear, why, by gum, all the ears overruled - Yonkers Statesman

Hoy cowrer of poodlo)—My dogs when he said that haughty Mins Prins this people with his tongue.

Hoy cowner of fighting bull pup)—

The property of the meant for tips were ty dog ficks everything with his teeth. curled

Forethought

"Yes, she wants to get more began one her strings

# Another Guess.

Yeast-I see a Rhode Island court has decided that in case of a dispute between the parents the father has

## Translation.

"What do you suppose line mount

LARGE PROFITS

# Cures Strained Foll Evil, Ankles In Saskatchewan (Western Canada) Holls, Sorse, Wire Cure, Brailess, awailings, Lanuspess, and allays, which is the cure of wheat was the threaders.

Don't mind being laughed at, some lay you may splash mud on the laughers with your touring car special instructions and Book 5 E free Absolutions and Book 5 E free Bo

DEFIANCE STARCH-16 PACKAGE "DEFIANCE" IS SUPERIOR QUALITY.

# Backache



People who say just what they think

are more numerous than popular.

salesman.

Is only one of many symptoms which some women endure through weakness or displacement of the womanly organs. Mrs. Lizzie White of Memphis, Tenn., wrote

"At times I was hardly able to be on my feet. The limes I was hardly able to be on my feet, I believe I had every pain and eche a woman could have. Had a very bad case. Internal organs were very much diseased and my back was very weak. I suffered a great deal with nervous headaches, in fact, I suffered all over. This was my condition when I wrote to you for adding After taking your Paradis. advice. After taking your 'Favorite Prescrip-tion' for about three months can say that my

#### health was never better.' Dr. Pierce's Favorite Prescription

Is a positive cure for weakness and disease of the feminine organism. It allays inflammation, heals ulceration and soothes pain. Tones and builds up the nerves. Do not permit a dishonest dealer to substitute for this medicine which has a record of 40 years of cures. "No, thank you, I want what I ask for."

Dr. Pierce's Pleasant Peliets Induce mild natural bowel movement once a day.

WHERE PHEUMATIS MEETS

W. N. U., ST. LOUIS, NO. 21-1911.

Please with to the agent mearest yo

Color more goods brighter and faster colors than any o dye any garment without ripping apart. Write for

He Got It. 'Won't you give me an order?" pleaded the too-persistent traveling "Certainly. Get out!"







If amieted with | Thompson's Eve Water

If Yours is fluttering or weak, use "RENOVINE." Made by Van Vicet-Mensfield Drug Co., Memphis, Tenn. Price \$1.00